

PATENT ABSTRACTS OF JAPAN

(11)Publication **07-039414**
n number :

(43)Date of **10.02.1995**
publication of
application :

(51)Int.Cl.

A45C 11/04

B65D 1/26

B65D 85/00

B65D 85/38

(21)Applicati **05-187995**
on number :

(71)Applicant **DAINIPPON PRINTING CO LTD**
:

(22)Date of **29.07.1993**
filing :

(72)Inventor : **SHINOKI NORIKAZU**
SAIKI SHINJI
MIYAMA HIROSHI

(54) CASE FOR CONTACT LENS

(57)Abstract:

PURPOSE: To provide a case for contact lens having a good appearance as the whole, reclothing property, and high utility value.

CONSTITUTION: In a case having a hinge cap molded by injection with a heat resisting synthetic resin, a housing part for lens having a protruding periphery 2 on the inside is provided on the body side, an angular protruding part 4 is circumferentially provided on the protruding periphery 2, and a packing 11 being in contact with the angular protruding part 4 is fitted to the inside of a cap (c) screwing to the protruding periphery 2.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the case of a contact lens, especially a case with RIKUROZU nature.

[0002]

[Description of the Prior Art] It constitutes so that the cap which prepared the pinching section which has two **** in the both ends as a case of the contact lens used until now to the tubed case divided from the center may be screwed on. Moreover, if it is in the thing of a disposable contact lens, the container consists of a vacuum-forming article and an aluminum sheet.

[0003]

[Problem(s) to be Solved by the Invention] When usually using that is, breaking the seal once and taking out and using the lens from the place whose tray configuration is simple for a case body though it cannot be again used as a case if it was in the above conventional things, after that, the case was discarded and it was not so decent as a container. This invention was created in view of such a point, and the place made into the object is decent as a whole, and is to offer that utility value is one of things with utilization for the second time and RIKUROZU nature.

[0004]

[Means for Solving the Problem] While establishing the stowage of a lens in the body side of the case where it has the hinge lid by which injection molding was carried out with synthetic resin if it is in this invention in order to attain the above-mentioned object, solution of a trouble is in drawing by screwing a cap on this. This invention is the case where have heat-resistant synthetic resin and it has the hinge lid which carried out injection molding. Namely, to the body side Inside the stowage of the lens which has a projection periphery was prepared, and on that projection periphery, while attaching the protruding line of a crest configuration, on the cap screwed on or attached in this projection periphery, the configuration by which packing which contacts the protruding line of the crest configuration on the above-mentioned projection periphery is attached in that inside is taken.

[0005]

[Example] The example of this invention is explained based on a drawing. The case (A) of the contact lens of this invention is what had heat-resistant synthetic resin, such as polypropylene and a polycarbonate, and carried out injection molding to one, and in the center section (1), the hinge of the (b) is carried out the (a) and lid side the body side, and it presents the shape of flat as a whole. A body side, a circular projection periphery (2) is located in the center section of that inside at (a), and this inside is just going to serve as a stowage (3) of a lens. The protruding line (4) of a crest configuration is formed in the top face of a projection periphery (2), and the spiral rib (5) is formed in the peripheral face. In addition, among drawing, (6) is the projection periphery edge of the lower part of (a) a body side, and (7) is the lower part projection edge of the periphery of the stowage (3) of a lens. Moreover, (8) is a stop piece.

[0006] The lid side, when this is bent from a center section (1) to (a) a body side and a

tegmentum is carried out to (a) a body side, the stop piece (9) which engages with the stop piece (8) of (a) a body side is prepared in (b). The cap (c) screwed on the spiral rib (5) of the projection periphery (2) of the lens stowage (3) of (a) a body side It is that which it injection molded with the same synthetic resin as a case (A). To cavity (10) of the inside periphery section When PAKKINGGU (11), such as silicone rubber, is attached and a cap (c) is screwed on the projection periphery (2) of a lens stowage (3), packing (11) is stuck to the protruding line (4) of the crest configuration on a projection periphery (2), and maintains ****. There is preservation liquid in this lens stowage (3), and receipt preservation of the contact lens (B) is carried out. In order to use a contact lens (B), (b) is unsealed from (a) a body side the lid side of a case (A), the cap (c) of a lens stowage (3) is unscrewed, and it takes out from preservation liquid. When saving a lens (c) again, it soaks into the preservation liquid of a lens stowage (3), a cap (c) is screwed on, and the tegmentum of the (b) is carried out to (a) the body side the lid side. [0007]

[Effect of the Invention] Since the case of the contact lens of this invention injection molds a body and lid side to one, it is easy to manufacture as a case, and especially the cap side screwed on this projection periphery since the protruding line of a crest configuration is formed in that crowning in the projection periphery of a lens stowage can always maintain a fluid-tight condition with large packing of width of face. Moreover, at the time of bolting of a cap, and unstopping, contact of packing and a body container is made into line contact, and is bound tight, and the protruding line of a top crest configuration can reduce the torque at the time of unstopping. In addition, it is possible to adjust the ease of opening in the ease of fastening of a cap by changing the configuration of a protruding line. In contrast, in order to maintain the narrow projection periphery and narrow **** of a lens stowage, in formation of a protruding line, it always needs to be careful of this protruding line in having formed the protruding line in the cap side, as compared with the case where projection is prepared on a projection periphery. And the case of this invention is made into the shape of flat as a whole, and also often tends to deal with appearance.

TECHNICAL FIELD

[Industrial Application] This invention relates to the case of a contact lens, especially a case with RIKUROZU nature.

PRIOR ART

[Description of the Prior Art] It constitutes so that the cap which prepared the pinching section which has two **** in the both ends as a case of the contact lens used until now to the tubed case divided from the center may be screwed on. Moreover, if it is in the thing of a disposable contact lens, the container consists of a vacuum-forming article and an aluminum sheet.

EFFECT OF THE INVENTION

[Effect of the Invention] Since the case of the contact lens of this invention injection molds a body and lid side to one, it is easy to manufacture as a case, and especially the cap side screwed on this projection periphery since the protruding line of a crest configuration is formed in that crowning in the projection periphery of a lens stowage can always maintain a fluid-tight condition with large packing of width of face. Moreover, at the time of bolting of a cap, and unstopping, contact of packing and a body container is made into line contact, and is bound tight, and the protruding line of a top crest configuration can reduce the torque at the time of unstopping. In addition, it is possible to adjust the ease of opening in the ease of fastening of a cap by changing the configuration of a protruding line. In contrast, in order to maintain the narrow projection periphery and narrow **** of a lens stowage, in formation of a protruding line, it always needs to be careful of this protruding line in having formed the protruding line in the cap side, as compared with the case where projection is prepared on a projection periphery. And the case of this invention is made into the shape of flat as a whole, and also often tends to deal with appearance.

TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] When usually using that is, breaking the seal once and taking out and using the lens from the place whose tray configuration is simple for a case body though it cannot be again used as a case if it was in the above conventional things, after that, the case was discarded and it was not so decent as a container. This invention was created in view of such a point, and the place made into the object is decent as a whole, and is to offer that utility value is one of things with utilization for the second time and RIKUROZU nature.

MEANS

[Means for Solving the Problem] While establishing the stowage of a lens in the body side of the case where it has the hinge lid by which injection molding was carried out with synthetic resin if it is in this invention in order to attain the above-mentioned object, solution of a trouble is in drawing by screwing a cap on this. This invention is the case where have heat-resistant synthetic resin and it has the hinge lid which carried out injection molding. Namely, to the body side Inside the stowage of the lens which has a projection periphery was prepared, and on that projection periphery, while attaching the protruding line of a crest configuration, on the cap screwed on or attached in this projection periphery, the configuration by which packing which contacts the protruding line of the crest configuration on the above-mentioned projection periphery is attached in that inside is taken.

EXAMPLE

[Example] The example of this invention is explained based on a drawing. The case (A) of the contact lens of this invention is what had heat-resistant synthetic resin, such as polypropylene and a polycarbonate, and carried out injection molding to one, and in the center section (1), the hinge of the (b) is carried out the (a) and lid side the body side, and it presents the shape of flat as a whole. A body side, a circular projection periphery (2) is located in the center section of that inside at (a), and this inside is just going to serve as a stowage (3) of a lens. The protruding line (4) of a crest configuration is formed in the top face of a projection periphery (2), and the spiral rib (5) is formed in the peripheral face. In addition, among drawing, (6) is the projection periphery edge of the lower part of (a) a body side, and (7) is the lower part projection edge of the periphery of the stowage (3) of a lens. Moreover, (8) is a stop piece.

[0006] The lid side, when this is bent from a center section (1) to (a) a body side and a tegmentum is carried out to (a) a body side, the stop piece (9) which engages with the stop piece (8) of (a) a body side is prepared in (b). The cap (c) screwed on the spiral rib (5) of the projection periphery (2) of the lens stowage (3) of (a) a body side It is that which it injection molded with the same synthetic resin as a case (A). To cavity (10) of the inside periphery section When PAKKINGGU (11), such as silicone rubber, is attached and a cap (c) is screwed on the projection periphery (2) of a lens stowage (3), packing (11) is stuck to the protruding line (4) of the crest configuration on a projection periphery (2), and maintains ****. There is preservation liquid in this lens stowage (3), and receipt preservation of the contact lens (B) is carried out. In order to use a contact lens (B), (b) is unsealed from (a) a body side the lid side of a case (A), the cap (c) of a lens stowage (3) is unscrewed, and it takes out from preservation liquid. When saving a

lens (c) again, it soaks into the preservation liquid of a lens stowage (3), a cap (c) is screwed on, and the tegmentum of the (b) is carried out to (a) the body side the lid side.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the top view which unscrewed the cap in the condition of having unsealed the case of the contact lens of this invention.

[Drawing 2] It is a sectional view same as the above.

[Drawing 3] It is the perspective view having cut and shown the part where a cap is screwed on.

[Drawing 4] They are some expanded sectional views.

[Description of Notations]

A The case of a contact lens

B Contact lens

Body side

b Lid side

c Cap

1 Center Section

2 Projection Periphery

3 Stowage of Lens

4 Protruding Line

5 Spiral Rib

6 Projection Periphery Edge

7 Lower Part Projection Edge

8 Stop Piece

9 Stop Piece

10 Cavity

11 Packing

CLAIMS

[Claim(s)]

[Claim 1] The case of the contact lens characterized by to be attached packing which contacts the protruding line of the crest configuration on the above-mentioned projection periphery at that inside in the cap which screws on or attaches in this projection periphery while are the case where it has the hinge lid which carried out injection molding with heat-resistant synthetic resin, prepare the stowage of the lens which has a projection periphery inside at that body side and attaching the protruding line of a crest configuration on that projection periphery.